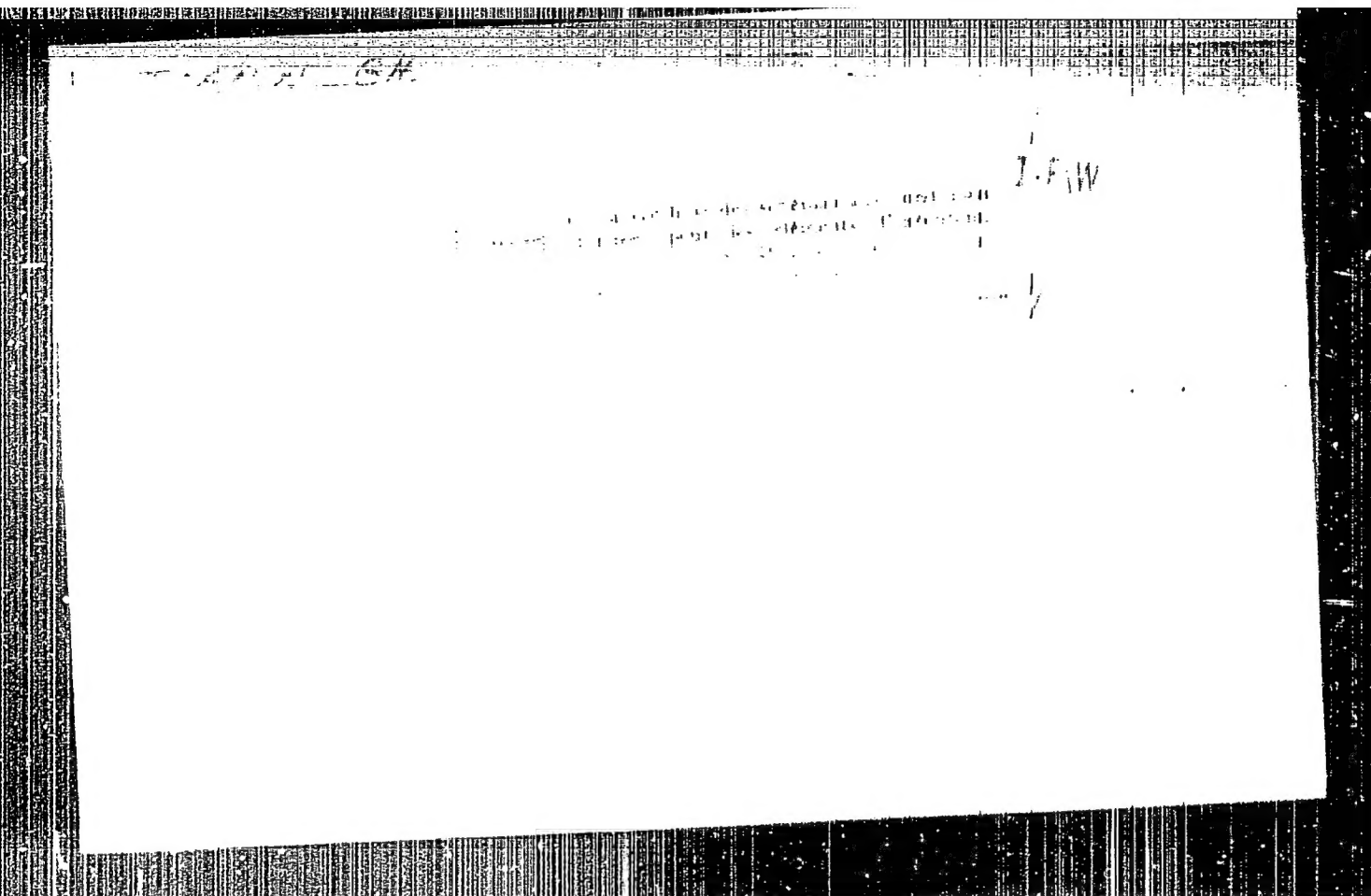


Synthesis of Systems With Step-by-Step Selectors

SOV/103-19-9-5/11

SUBMITTED: November 5, 1957

Card 2/2



IOANIN - G.

✓ Motil, G. C., et Ioanin, Gh. Sur le fonctionnement des  
schémas à boutons réels. Acad. R. P. Roumne: Bul.  
Sti. Secf. Sti. Mat. Fiz. 7 (1955), 33-49. (Romanian.  
Russian and French summaries)

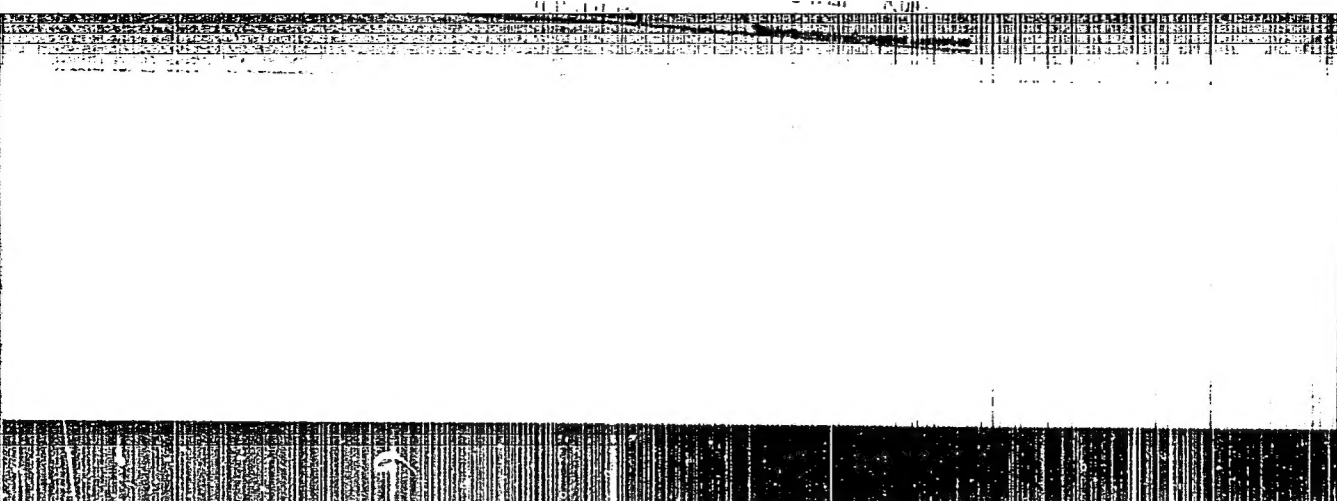
The analysis of the paper reviewed above is applied to  
push buttons, simple and compound, shorting and non-  
shorting, which do not operate instantly.

D. H. Lehner (Berkeley, Calif.).

1. L'objectif principal des contacts multi-  
directionnels est l'étude des

**"APPROVED FOR RELEASE: 08/10/2001**

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**APPROVED FOR RELEASE: 08/10/2001**

**CIA-RDP86-00513R000618620007-1"**

168000

37018  
S/044/62/000/003/078/092  
C111/C333

AUTHOR: Ioanin, Gh.

TITLE: The synthesis of circuits containing a relay, the operation current and dropout current of which show a great difference

PERIODICAL: Referativnyy zhurnal, Matematika, no. 3, 1962, 54, abstract 3V285. ("Comun. Acad. RPR", 1960, 10, no. 1, 12-15)

TEXT: A relay with an essential difference between the operation and the dropout current is considered. It is shown that the working of this relay is similar to the working of an ordinary relay with blocking. If the first relay is connected into a circuit with the structure formula

$$F(X) = (a + \bar{b}R)X \quad (1)$$

where R is the additional resistance, then the structure formula of the corresponding circuit with blocking has the form

$$F(X) = (a + \bar{b}x)X, \quad (2)$$

Because of the equivalence of the working of the circuit with the

Card 1/2

S/044/62/000/003/078/092  
0111/C333

The synthesis of circuits ...

structure formulas (1) and (2) it holds the identity

$$xX \equiv X^* \quad (3)$$

By application of the negation to both parts of the identity (3) one obtains

$$\bar{x} + X \equiv X^* \quad (4)$$

It is mentioned that (4) gives a transformation which allows to pass from circuits with one relay type to circuits with another relay type in which the successive cut-in of the relay windings is used. Two examples for the transformation of circuits are given.

[Abstracter's note: Complete translation.]

Card 2/2

Apparatus for volumetric determination of nitrogen  
in organic compounds. C. V. Krishnaswami (Inst. Org. Chem.  
Madras Univ., India). Chemical Abstracts, 49, No. 8, Ser.  
B, 1957, p. 1248. (1957, Vol. 52, p. 1248, 1957). A simple  
apparatus for the N content of org. amines was con-  
structed. The app. consisted of a graduated buret for  
measuring the org. amine and a graduated syringe containing the sample  
solution. The buret and syringe takes approx. 3 min. to  
fill. The reaction time was up to 15 min. M. D. Botwinov.



ON: 01/11, P. 1.

"Electroreduction of Certain Proteins, Flastein (From Casein), and Transferrin  
S." Cand Chem Sci, Moscow Order of Lenin State U imeni N. V. Lomonosov, 19 Feb 54.  
Dissertation (Vechernyaya Moskva Moscow, 6 Feb 54)

SO: SUM 186, 19 Aug 1954

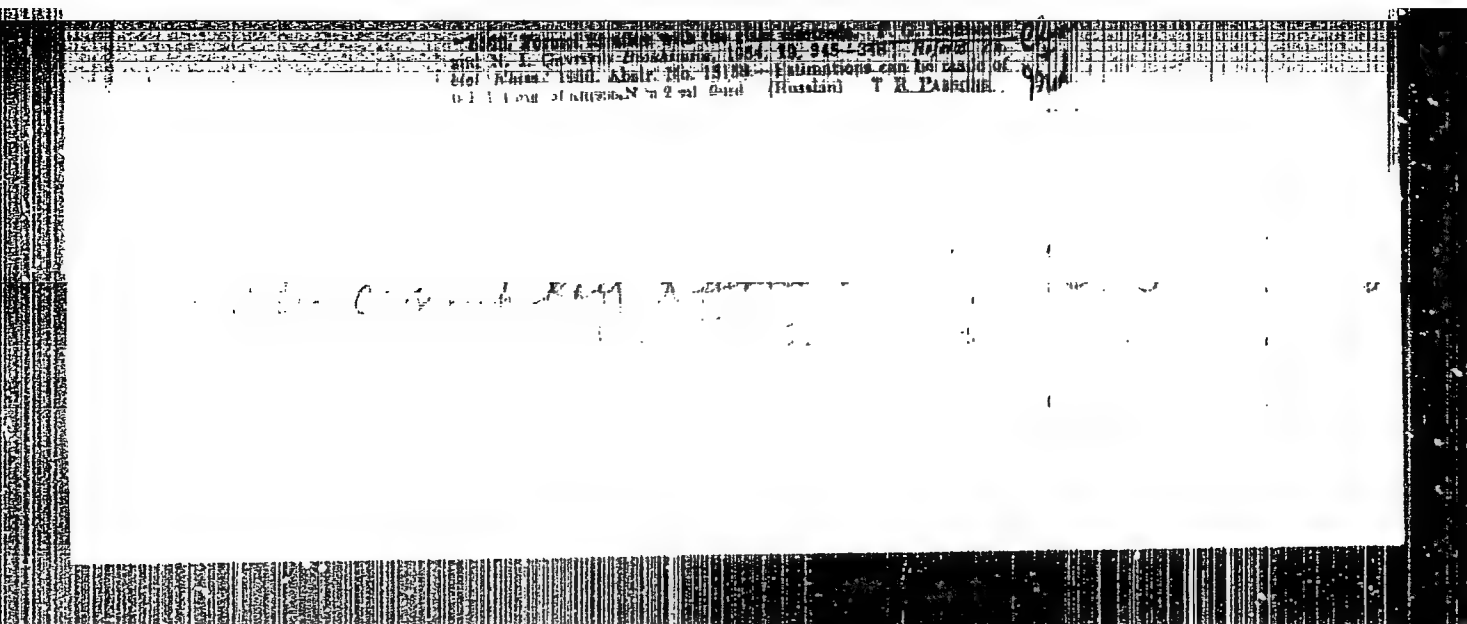
"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618620007-1

- Final Report showing with the start electrode. P. G. Hainman  
- Final Report showing with the start electrode. P. G. Hainman

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618620007-1"



Ioanishani, P. G.

USSR/Chemistry - Biochemistry

Card 1/1 Pub. 151 - 33/38

Authors : Ioanishani, P. G.; Gavrilov, N. I.; and Plekhan, M. I.

Title : The structure of gramicidin C. Part 1.- Reduction of gramicidin C.

Periodical : Zhur. ob. khim. 24/2, 364-369, Feb 1954

Abstract : The existence in gramicidin C of two diketopiperazine and tripeptide fragments, the first one of which contains proline, was established experimentally. The peptides found in the products of incomplete gramicidin C hydrolysis are listed. The structural formula for the gramicidin C monomer is presented. Various characteristics of gramicidin C are described. Twelve references: 8-USSR; and 1-French; 3-USA (1939-1953). Tables.

Institution : The M. V. Lomonosov State University, Moscow

Submitted : August 7, 1953

IOANISIANI, P.G.

USSR/Organic Chemistry - Naturally Occurring Substances and Their Synthetic  
Analogues, E-3

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61681

Author: Gavrilov, N. I., Ioanisiiani, P. G.

Institution: None

Title: On the Amount of Cyclic  $\alpha$ -Amino Bonds of Amino Acids in Some  
Proteins

Original

Periodical: Zh. obshch. khimii, 1955, 25, No 9, 1802-1812

Abstract: On electric reduction (ER) of derivatives of diketopiperazines (DP) 2 reactions occur: in the case of aminoacyl-DP there are formed piperazines of peptides; in the case of amidine derivatives of DP ER is accompanied by formation of free piperazines and a splitting off of peptides terminal amino group of which can be determined by the gasometric method. ER was carried out at a movable mercury electrode according to the method of Gavrilov and Koperina (Zh. obshch. khimii, 1947, 17, 955, 1651). Changes in procedure involve

Card 1/3

USSR/Organic Chemistry - Naturally Occurring Substances and Their Synthetic  
Analogues, E-3

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61681

Abstract: formol titration (see Referat Zhur - Khimiya, 1956, 15158) and determination of N-NH<sub>2</sub> gasometrically according to the micro-modification (Referat Zhur - Khimiya, 1954, 47727). Subjected to ER were gelatin (I), gliadin (II), casein (III), edestin (IV), plastain from III (V) and gramicidin C (VI). A quantitative determination has been made of the correlation between nitrogen of DP found in the molecules of various proteins and the nitrogen of tripeptides (TP). The ratio of DP to TP in different proteins is as follows: I 1:1, II 1:1, III 3:4, IV 2:3, V 1:2 and VI (dimer) 2:2. Found were the following amounts (in %) of N-NH<sub>2</sub> of the total (in parentheses is shown the amount that could be formed if an amidin linkage is present in the protein structure): I 17.9 (11.8), II 17.6 (13.8), III 14 (15.3), IV 13.9 (13.8), V 14.4 (16.2), VI 13.9 (16.1). Respectively, N of DP in % of total N were found to be 27.6; 46.8; 31.03; 30.9; 23.1 and 40.0. Procedures used for the analysis of protein hydrolysates before and after ER were checked with an artificial mixture of amino acids corresponding to the composition of III. Formol titration with the use of

Card 2/3

USSR/Organic Chemistry - Naturally Occurring Substances and Their Synthetic  
Analogues, E-3

'Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61681

Abstract: a potentiometer must be carried out during primary neutralization  
from pH 6.0 to 9.0 after addition of  $H_2CO$ . In the presence of  
lysine and  $NH_3$  the gasometric method does not yield reliable re-  
sults. The authors consider most of the protein linkages as ap-  
pertaining to the amidin linkages.

Card 3/3

SHOSTAKOVSKIY, M.F.; LASKORIN, B.N.; NIKUL'SKAYA, G.N.; CHEKULAYEVA, I.A.;  
IOANISIANI, P.O.

Suspension polymerization of the trivinyl ether of triethanolamine.  
Synthesis of a new anion exchanger. Vysokom.sped. 3 no.6:908-911  
Je '61. (MIRA 14:6)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.  
(Ethanol) (Ethers) (Polymerization) (Ion exchanger resins)

IOANISIANI, P.G.; LASKORIN, B.N.; ALEKSEYEVA, N.L.

Anion exchangers based on the copolymers of glycidyl methacrylate  
and dimethacrylic esters of ethylene glycol. Vysokom.sosed. 5  
no.8:1213-1218 Ag '63. (MIRA 16:9)  
(Ion exchangers) (Methacrylic acid) (Ethylene glycol)



1964. N. T. G. [Consultant, T.M.] BIRG. 1964. [Leningrad, U.S.S.R.]

Life cycles of weevils *Paytonomus nigrirostris* F. and *Paytonomus*  
*zeles* F. (Coleoptera, Curculionidae) and measures for their control.  
Vestsi AN BSSR. Ser. biol. nav. no. 2111-120 '64.

(MIRA 12-12)

IPONISIIYANI, T.G. [Ikonisiliani, T.M.]

Effect of insecticides on seed production and development of  
clover. Ventsi AN BSSR. Ser. bial. nav. no. 2:33-43 '58.

(MIRA 11:8)

(Clover)  
(Plants, Effect of insecticides on)  
(Seed industry)

IOANITESCU, Gh., MD

RUMANIA

MANDACHE, Fl., Lecturer; RAPOTESCU, S., MD; IOANITESCU, Gh., MD;  
STANESCU, C., MD

Bucharest, Igiena, No 6, Nov-Dec 63, pp 545-549

"The Importance of Slight Trauma in the Prevention of Labor  
Accidents."

IOANITESCU, O.

RUMANIA / Inorganic Chemistry. Complex Compounds.

C

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67091.

Author : Bogda Ye., Creciun A., Ioanitescu O.

Inst : Not given.

Title : Simple and Complex Salts of  $\beta$ -Oxynaphthoic Acid.

Orig Pub: An. stiint. Univ. Iasi, 1956, Ses. 1, 2, No 1-2, 227-239.

Abstract: By interaction of solutions of the  $\beta$ -oxynaphthoic acid in various solvents ( $\text{NH}_4\text{OH}$ , acetone (Ac) and others) with the acetates of corresponding metals the following complexes were obtained:  $\text{HRNH}_4 \cdot 2\text{H}_2\text{O}$ ,  $\text{RCrRH} \cdot 2\text{H}_2\text{O}$ ,  $\text{RCrRH}$ ,  $\text{RAl}(\text{H}_2\text{O})_3 \text{RH} \cdot 3\text{H}_2\text{O}$ ,  $\text{RAl}(\text{H}_2\text{O})_3 \text{RH}$ ,  $\text{HRAIRH}$ ,  $\text{RCu} \cdot \text{H}_2\text{O}$ ,  $(\text{HR})_2^- [\text{Ni}(\text{NH}_3)_2 (\text{H}_2\text{O})_2]^{2+}$ ,  $(\text{HR})_5 [\text{Ni}_3(\text{NH}_3)_4] \cdot 16\text{H}_2\text{O}$ ,  $(\text{NH}_4\text{R})_2^- [\text{Ni}(\text{NH}_3)_2 \text{Ac}_2]^{2+} \cdot 2\text{Ac}$ ,  $(\text{HR})_2^- [\text{Ni}(\text{NH}_3)_2 \text{Ac}_2]^{2+}$ ,  $\text{RNi}(\text{CH}_3\text{COCH}_3)_4 \cdot 4\text{CH}_3\text{COONH}_4$ .

Card 1/2

16

RUMANIA / Inorganic Chemistry. Complex Compounds.

C

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 57091

Abstract:  $2\text{CH}_3\text{COCH}_3$ ,  $\text{R}(\text{H}_2\text{O})\text{Al}(\text{NH}_3)_2 \text{RNH}_4 \cdot 13\text{H}_2\text{O}$ ,  $\text{RCo}(\text{NC}_5\text{H}_4\text{COOH})_2 (\text{H}_2\text{O})_2$ ,  $\text{RCo} \cdot 2(\text{C}_5\text{H}_4\text{NCOO})\text{Co} \cdot 8\text{H}_2\text{O}$ ,  $\text{RCo} \cdot 2 (\text{NC}_5\text{H}_4\text{COO})_2 \text{Co} \cdot 2\text{NC}_5\text{H}_4\text{COOH} \cdot \text{C}_2\text{H}_5\text{OH}$ ,  $\text{RNi}(\text{NC}_5\text{H}_4\text{COOH})_2 (\text{H}_2\text{O})_2$ ,  $\text{R}^2-[\text{Ni}_2(\text{NC}_5\text{H}_4\text{COO})_2]^{2+} \cdot 8\text{H}_2\text{O}$ ,  $\text{R}^2-[\text{Ni}(\text{CH}_3\text{NH}_2)_2 (\text{H}_2\text{O})_2]^{2+}$ ,  $(\text{HR})_2-[\text{Cu}(\text{C}_6\text{H}_5\text{NH}_2)_2]^{2+}$ , where  $\text{R} = \text{C}_{10}\text{H}_6(\text{O})\text{COO}$ , and also  $\text{H}_2\text{R} \cdot \text{C}_2\text{H}_5\text{OH}$  and  $(\text{H}_2\text{R})_4 \cdot \text{C}_2\text{H}_5\text{OH}$ .

Card 2/2

MILCU, St. M., academician; STANESCU, V.; IOANITIU, D.; CIURDAREANU, I.;  
IONESCU, V.; POENARU, S.; MAXIMILIAN, C.

The Laurence-Moon-Biedl-Bardet syndrome: a familial case. Stud. cercet.  
endoor. 13 no.1:95-104 '62.

(LAURENCE-MOON-BIEDL SYNDROME genetics)

MILCU, St.M.; IOANITIU, D.; ESANU, C.

Contribution to the study of the visceropathic stage of hyper-  
thyroidism. Stud. cercet. endocr. 13 no.2:265-272 '62.  
(HYPERTHYROIDISM complications)

NEACSU, C.; IOANITIU, D.; KIM-HO-YUN

Changes in protein metabolism in experimental hyperthyroidism and  
hypothyroidism in rats. Stud. cercet. endocr. 13 no.5:655-661 '62.  
(HYPERTHYROIDISM) (HYPOTHYROIDISM) (PROTEIN METABOLISM)  
(BLOOD PROTEIN ELECTROPHORESIS)

IOANITIU, D.; DINULESCU, Elena; ESANU, C.; MITRACHE, Ludmila; KIM-HO-YUN

Disorders of protein metabolism in clinical hyperthyroidism and  
hypothyroidism. Stud. cercet. endocr. 13 no.5:663-673 '62.

(HYPERTHYROIDISM)

(HYPOTHYROIDISM)

(PROTEIN METABOLISM DISORDERS)

(BLOOD PROTEIN ELECTROPHORESIS)



MILCU, St.M., academician; IOANITIU, D.; ESANU, C.; DANILA-MUSTER, Aneta;  
AUGUSTIN, M.; MAXIMILIAN, C.

Primary amenorrhea with prepuberal eunuchoidism in a patient with  
43 autosomes plus an XX chromosome and a dicentric chromosome.

Stud. cercet. endocr. 13 no.6:785-788 '62.

(AMENORRHEA) (EUNUCHISM) (CHROMOSOMES) (INFANTILISM)

IOANITIU, D.; IONESCU, B.

Contribution to the study of the stages of evolution of hyperthyroidism. Stud. cercet. endocr. 14 no.4/5/6:619-625 '63.

MILCU, St.-M.; IONESCU, B.; IOANITIU, D.; STRIHAN, Puica; MAXIMILIAN, C.

Hypophysial changes in gonadal dysgenesis. Stud. cercet. endocr.  
15 no.6:563-568 '64.

WOLFSHAUT, C.; IOANITIU, D.; ESANU, C.; STOICA, T.; ALBU, N.; BUNEA, M.;  
ISTRATE, F.

Melanoderma with primary hypercorticotropism. Stud. cercet.  
endocr. 15 no.4:351-355 '64.

F

Country	:USSR
Category	:Microbiology. Microbes Pathogenic for Man and Animals. :Hemoglobinophilic Bacteria
Abs. Jour	:Ref Zhur-Biol., No 23, 1958, No 103834
Author	:Ioannesyan, B.I.
Institut.	:Institute of Experimental Medicine of the AMS USSR
Title	:Characteristics of "Atypical" Microorganisms Similar to the Bacillus pertussis. (Author's synopsis)
Orig. Pub.	:Vestnik. In-t eksprim. med. Akad. med. nauk SSSR, 1955, Leningrad, 1956, 325-326
Abstract	:In the bacteriological diagnosis of pertussis strains were isolated which were morphologically similar to typical pertussis bacilli. These microbes, after being kept at 22-37° for 24 hours, grew on milk-blood and blood-hydrolysate media as well as on MPA, plain or with the addition of 5% horse blood, 10% serum and 1% glucose. On the blood media they showed an area of hemolysis and the formation of a brown color around the colonies. The cultures did not decompose "the heterogeneous series" of carbohydrates and did not form indole. All the strains showed a dermal-necrotic reaction on rats and on guinea pigs. Inhalation infec- tion of mice with small doses of bacteria led to their
Card:	1/2

-48

KOZLOVA, N.A.; SKLYAROVA, N.N.; IOANNESYAN, B.I.

Epidemiological problems in preventing focal spread of whooping cough with syntomycin. Trudy Len.inst.epid.i microbiol. 18: 111-117'58. (MIRA 16:7)

1. Iz sektora epidemiologii i iz laboratorii detskikh kapel'nykh infektsiy Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera i iz otdela mikrobiologii Instituta eksperimental'noy meditsiny AMN SSSR.  
(WHOOPIING COUGH) (ACETAMIDE)

IOANNESYAN, R. [A.]

Tri-cone rock bits in directional drilling. Nov.neft.tekh.:Bur.  
no.4:2 '48. (MIRA 9:4)  
(Oil well drilling) (Rock drills)

ICANPEBYAN, N. A.

Osnovy teorii i tekhnika turbinного burenia /Principles of the theory and the technique of turbine boring/. Moskva, Gostoptekhizdat, 1953. 284 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 5, August 1953



*IOANNESYAN, R.A.*

VALITSKIY, I.V., redaktor; ~~IOANNESYAN, R.A.~~, redaktor; KOPYITSKIY, P.I.,  
redaktor; GAUMIN, I.M., redaktor; TROFIMOV, A.V., tekhnicheskii  
redaktor.

[Improving the quality of cutting bits; collection of articles]  
Povyshenie kachestva izgotovleniya sharoshechnykh dolot; sbornik  
statei. Moskva, Gos.nauchno-tekhn.izd-vo neftyanoi i gorno-toplivnoi  
lit-ry, 1954. 93 p. (MIRA 8:4)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut mekhaniki  
i organizatsii truda v neftyanoi promyshlennosti. Byuro tekhniko-ekonomicheskoy informatsii.  
(Boring machinery)

IOANNESYAN, R. A.

AID - P-157

Subject : USSR/Engineering

Card : 1/1

Authors : Ioannesyan, R. A. and Udyanskiy, N. Ya.

Title : Means for Increase of Efficiency of Serial Drills

Periodical : Neft. khoz., v. 32, #1, 17-24, Ja 1954

Abstract : The increase of the efficiency of oil well drilling from 1945 to 1953 is related to the improvements in machinery, quality of material, and workmanship. Reasonable credit is also given to perfection of the drill-reinforcing methods such as gas and high frequency current welding and the electric spark method of reinforcing with melted metallic powder.

Institution : Military Scientific Research Inst. of Well Drilling

Submitted : No date

IOANNESYAN, R. A.

AID P - 276

Subject : USSR/Engineering

Card : 1/2

Author : Ioannesyan, R. A.

Title : Effect of inner pressure on longitudinal stability of the bottom portion of the drilling column at turbine drilling

Periodical : Neft. Khoz., v. 32, #4, 5-8, Ap 1954

Abstract : The author replies to B. B. Dadashev's critical comments on the author's book Theory and Technique of Turbine Drilling and also on M. T. Gusman's book Turbine Drilling of Oil Wells. The comments concern erroneous conclusions on the positive effect of pressure drop in the turbo-drill on the longitudinal stability of the bottom part of the drilling column. On the other hand, the author indicates a substantial error made by Dadashev in his theoretical formulation of acting forces as well as in his conclusions. The correctness of the author's analysis was confirmed by experiments conducted by his associates G. A. Lyubimov, V. L. Il'skiy and R. M. Eygeles.

AID P - 276

Neft. Khoz., v. 32, #4, 5-8, Ap 1954 (additional card)

Card : 2/2

Institution : All-Union Scientific Research Institute on Oil Well  
Drilling (VNIIburneft).

Submitted : No date

AID P - 330

Subject : USSR/Mining  
Card : 1/1  
Author : Ioannesyan, P. A.  
Title : Further development in double bore drilling  
Periodical : Neft. Khoz., v. 32, #5, 19-21, My 1954  
Abstract : The double bore drilling method is reviewed from the economical point of view. Two slantingly directed turbo drillings are used with one outfit of equipment and one special tower, crown block and rotor. The discussion is illustrated with data of actual drilling on land and out shore. 1 table.  
Institution : None  
Submitted : No date

IOANNESYAN, R. A.

AID P - 536

Subject : USSR/Mining

Card 1/1 Pub. 78 - 2/29

Authors : Aliyev, M. A., Ioannesyan, R. A. and Shvarts, Ya. A.

Title : More rational production organization is required for oil well drilling

Periodical : Neft. Khoz., v. 32, #7, 6-9, J1 1954

Abstract : Discussion of the article "Some problems on the organization of work in oil well drilling" by M. A. Saakov, (Neft. Khoz., #11, 1953).

According to Saakov, the basic production unit covers the territory of the whole oil field, including assembly crew, repair brigades, material and pipe supplies and drillers' crew. Contrary to this opinion the authors consider that the office of the oil well drilling is a controlling center and other services such as geological prospecting, assembling, repair etc., are auxiliary services and must be controlled by the so-called "Chief controlling foreman".

Institution: None

Submitted : No date

**CIA-RDP86-00513R000618620007-1**

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KULIYEV, Saftar Mekhtiyevich; IOANNESYAN, Ruben Avestovich; GOLIKOVA, Z.I.,  
vedushchiy redaktor; SHIKIN, S.T., tekhnicheskiy redaktor

[Experience in drilling deep wells] Opyt bureniya sverkhglubokikh  
skvazhin. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-  
toplivnoi lit-ry, 1956. 87 p. (MIRA 9:11)  
(Oil well drilling)

IOANNESYAN, R.A.

Production of cone and roller bits in foreign countries. Neft. khos.  
34 no.12:59-62 B '56. (MIRA 10s8)  
(United States--Boring machinery)

IOANNESYAN, R.A.; LALAYAN, M.L.; SHVARTS, Ya.A.

Results of drilling the deepest well in Europe (4812 meters).  
Azerb.neft.khoz. 35 no.2:8-10 P '56. (MLRA 9:10)

(Oil well drilling)

IOANNESYAN, R.A.

~~Production of roller bits abroad.~~ Neft.khos. 35 no.1:  
65-68 Ja '57.

(MLRA 10:2)

(Oil well drilling--Equipment and supplies)

IOANNESIAN, R.A.; BULAKH, G.I.

The essence of accelerated systems of turbodrilling. Neft.khoz.  
35 no.3:7-13 Mr '57. (NIRA 10:4)  
(Turbodrills) (Oil well drilling)

IOANNESYAN, R.A.

Technical development of oil well drilling. Bezop. truda v prom.  
1 no.11:20-22 N '57. (MIRA 10:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut burovoy tekhniki.

(Oil well drilling)

IOANNESYAN, R.A.

From cable tool to electric drill. Neftianik 2 no.11:26-29 II '57.  
(MIRA 10:10)

(Oil well drilling--Equipment and supplies)

KULIYEV, S.M.; MAMEDOV, A.B.; IZMAILOV, T.Z.; SHAKHEAZHEKOV, K.B.;  
SHIKHALIYEV, F.A.; IOANNESYAN, R.A.; YAKH'YA ALI-YULLA OGLY

Sustaining formation pressure in gas-condensate pools by means of  
water injection. Trudy Azerb. ind. inst. no.19: 65-101 '57.  
(MIRA 11:9)

(Apsheron Peninsula--Condensate oil wells)



*10-7-1965 11:14 AM*  
IOANNESYAN, R.A.

First experiment in commercial oil-well drilling with tubodrills  
in West Germany (to be continued). Neft. khoz. 35 no.9:65-72 S '57.  
(Germany, West--Oil well drilling) (MIRA 11:1)

IOANNESYAN, R.A.

First experiment in commercial oil-well drilling with turbodrills  
in West Germany [conclusion]. Neft. khoz. 35 no.10:65-72 0 '57.

(MIRA 11:1)

(West Germany--Oil well drilling)

IOANNESYAN, R.A.

Well drilling technique in France. Neft. khoz. 36 no. 5:58-70  
My '58. (MIRA 11:6)  
(France--Oil well drilling)

IOANNESYAN, R.A.; BULAKH, G.I.

Means for increasing technical and economic indices of extradeep-  
well turbedrilling. Neft. khez. 36 no.6:1-4 Je '58.

(MIRA 11:9)

(Oil well drilling)

11(0)

SOV/93-58-9-13/17

AUTHOR: Ioannesyan, R.A.

TITLE: Problems of Turbine Drilling (Problemy turbinnogo  
bureniya)

PERIODICAL: Neftyanoye khozyaystvo, 1958<sup>34</sup>, Nr 9, pp 62-67 (USSR)

ABSTRACT: The author analyzes the problems encountered in turbine drilling and suggests methods for their solution. He states that inefficiency in turbine drilling is often due to nonuniformity in the parameters of the manifold, drill pipe, turbodrill, bit, turbine and well. These defects can be eliminated by selecting the units according to standards suggested in Tables 1-3. The author's suggestions for raising the efficiency in turbine drilling are not applicable to deep wells in which the crushing capacity of the rock bit deteriorates due to increased hydrostatic pressure. The drilling of deep wells by the turbine method will be improved with the aid of diamond bits which have been successfully employed in France and found to be very effective by the VNIIBT Institute. Fig. 1 and Table 4 present a T12M3-7 1/2" turbodrill

Card 1/2

SOV/93-58-9-13/17

11(0)

Problems of Turbine Drilling (Cont.)

designed for drilling with a diamond bit. Experiments are being conducted in the Soviet Union with a hydro-turbotachometer for recording the number of turbodrill revolutions in drilling. The author states that the creation of an efficient tachometer will enable them to automatize the turbine drilling process. This report was delivered by the author at the 5th Congress of Hydraulic Engineers, held in Provence, France from July 23 to 28. There are 4 tables and 1 figure.

Card 2/2

IOANNESYAN, R. A., TREBIN, F. A., GUSMAN, M. I., OSTROVSKIY, A. P., TAGIYEV, E. I.,  
TITKOV, N. I., SHMAREV, A. T., GELFOAT, Y. A., MININ, A. A., and SHASHIN, V. D.

"Progress of Turbodrilling and Studying New Methods of Drilling Wells  
in the USSR."

Report <sup>To Be</sup> submitted at the Fifth World Petroleum Congress, 30 May -  
5 June, 1959. New York City.

IOZNNESYAN, R.A.

Regarding the quality of deep-well pipes. Azerb.noft.khoz.  
no.4:16-18 Ap '59.

(Pipe)

38  
(MIRA 12:7)



IOANNESYAN, R.A.

Eliminating accidents in drilling. Azerb.neft.khoz. 39 no.9:  
17-20 S'60. (MIRA 13:10)  
(Oil well drilling--Safety measures)

ANDRIANOV, Nikolay Ivanovich; BUBNOV, Yevgeniy Sergeyevich; GNEVUSHEV, Mikhail Andreyevich; IOANNESYAN, Rollen Arsen'yevich; LITVINOV, Nikolay Nikolayevich; MEYERSON, Yevgeniy Grigor'yevich; MINDLIN, Yakov Borisovich; ROMANTSEV, Yakov Antonovich; ALEKSIN, A.G., red.; KAESHKOVA, S.M., vedushchiy red.; POLOSINA, A.S., tekhn. red.

[Diamond drilling] Almaznoe burenie. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 170 p. (MIRA 14:9)  
(Boring) (Diamonds, Industrial)

GLIKMAN, L.S.; IOANESYAN, Yu.R.; IOANNESYAN, R.A.

Using turbines with falling pressure lines and axial drill  
pumps. Neft. khoz. 41 no.2:13-19 F '63. (MIRA 17:8)

IOANNESYAN R.A.

ASAN-NURI, A.O., IOANNESYAN, R.A., KARAYEV, A.K., KACHLISHVILI, K.K.,  
KULYEV, S.M., MACHINSKIY, N.D., OSTROVSKIY, A.P., SLAVSKIY, V.M.,  
TIMOFEEV, N.S.,

Problems of deep-drilling

Report to be submitted for the Sixth World Petroleum Congress,  
Frankfurt, 16-26 June 63

IOANNESYAN, R.A.; GUSMAN, M.T.; TAGIYEV, E.I.

Development of turbine drilling in the U.S.S.R. Neft,  
khoz. 42 no.9/10:107-114 S-O '64. (MIRA 17:12)



ACC NR: AR6023344

SOURCE CODE: UR/0271/66/000/004/A042/A042

AUTHOR: Golosovskiy, A. M.; Ioannesyants, L. M.; Karpinskiy, I. P.; Kreyndlin, I.I.

TITLE: Use of successive statistical analysis in measurements of nuclear radiations

SOURCE: Ref. zh. Avtomat telemekh i vychisl tekhn, Abs. 4A317

REF SOURCE: Tr. Soyuzn. n.-i. in-ta priborostr., vyp. 1, 1964, 213-232

TOPIC TAGS: nuclear radiation, statistic analysis, radiation measurement

AFSTRACT: The principles of using successive statistical analysis for determining the parameters of the Poisson distribution law in measurements of nuclear radiations are examined. [Translation of abstract] 9 illustrations and bibliography of 7 titles. B. U.

SUB CODE: 12, 18

Card 1/1

UDC: 658.562:533

IOANNESYANTS, M.A.

Technical and economic efficiency of automatic lines in  
the bearing industry. Biul.tekh.-ekon.inform.Gos.nauch.-  
issl.inst.nauch.1 tekhn.inform. no.8:58-59 Ag '65.

(MIRA 18:12)



SHAFOSHNIKOVA, S.T.; IOANNIDIS, O.K.; AYKHODZHAYEV, B.I.; POGOSOV, Yu.L.

Mercuration of cellulose cinnamates and oleates. Vysokom.soad. 7  
no.7:1129-1133 J1 '65. (MIRA 18:8)

1. Nauchno-issledovatel'skiy institut khimii i tekhnologii i  
khlopkovoy tsellyulozy i furanovykh proizvodnykh.

IOANNIDIS, O.K.; POGOSOV, Yu.L.; AYKHODZHAYEV, B.I.

Synthesis of mixed cellulose acetooleates. Uzb.khim.zhur. 8  
no.4:76-80 '64. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut khimii i tekhnologii  
khlopkovoy tsellyulozy i furanovykh proizvodnykh. Submitted  
September 21, 1963.

L 51428-65 EWT(m)/EPT(c)/EWG(v)/EWA(d)/EPR/EPA(w)-2/EWP(j)/EWP(t)/EWP(k)/  
EWP(b) Po-4/Pab-10/Pe-5/Pr-4/Pe-4 IJP(c) JD/WB/WH

ACCESSION NR: AP5015500

UR/0286/65/000/008/0030/0030  
621.315.328

AUTHOR: Kogen, V. B.; Avanesyan, A. M.; Khmlarova, A. G.-k.; Trifol', M. S.;  
Mekhmandarov, S. A.-O.; Shakov, V. I.; Babayev, M. A.; Davenson, Ye. B.; Ioannlsyan,  
S. A.

TITLE: Corrosion resistant steel-aluminum wire. Class 21, No. 170094

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 30

TOPIC TAGS: corrosion protection, aluminum, steel

ABSTRACT: This Author's Certificate introduces a corrosion resistant steel-aluminum wire containing a steel core covered with an insulating material laid over with a cable of aluminum wires. The operational characteristics are improved by using transparent plastic for the insulation material and soaking the entire wire in a solution which contains 95% cerin and 5% petrolatum.

ASSOCIATION: none

SUBMITTED: 10Dec62

ENCL: 00

SUB CODE: IE, WH

Card 1/2 /

AID P - 3817

Subject : USSR/Mining  
Card 1/1 Pub. 78 - 5/25  
Author : Ioannesyan, Yu. R.  
Title : ~~XXXXXXXXXXXX~~  
Rationalization of the well drilling method with shafts  
deflected horizontally  
Periodical : Neft. khoz., v. 33, #11, 32-34, N 1955  
Abstract : The author describes the drilling method of horizontally  
deflecting the oil well shaft after it enters the producing  
horizon so that it will follow the trend of the bedding  
plane of the oil-yielding formation and thus provide a  
greater drainage surface with the reservoir rock. Careful  
analysis of cores properly indicates whether the shaft's  
drilling direction follow the petroliferous strata.  
Diagrams, 2 references, 1953 and 1954.  
Institution : None  
Submitted : No date

IOANNESYAN, Yu.R.

Overpressure on well bottoms in turbodrilling; a topic for  
discussion. Neft.khoz. 38 no.8:40-44 Ag '60. (MIRA 13:8)  
(Turbodrills--Hydraulic drive)

POLUNOV, Leon Solomonovich; GOSTEV, Vadim Ivanovich; IOANNESIANTS, M.A.,  
inzh., retsenzent; KUZNETSOV, N.S., inzh., retsenzent; YAKOVLEVA,  
V.I., red.isd-va; SOROKINA, G., tekhn.red.

[Design of industrial laboratories and offices of the department  
of technical control; brief manual] Proektirovanie zavodskikh  
laboratorii i sluzhb otдела tekhnicheskogo kontrolya; kratkoe  
spravochnoe posobie. Moskva, Gos.nauchno-tekhn.isd-vo mashino-  
stroit.lit-ry, 1960. 154 p. (MIRA 13:4)  
(Engineering laboratories)

AYZENBERG, B.I., inzhener, redaktor; SHEYNMAN, I.B., inzhener, redaktor;  
~~IOANNISYANTS, M.Ya.~~, inzhener, redaktor; GLADKOV, K.M., redaktor;  
MODEL', B.I., tekhnicheskiy redaktor

[A manual for designers of machine construction plants] Spravochnik  
proektanta mashinostroitel'nykh zavodov. Sost. pod rukovodstvom  
B.I. Aizenberg. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.  
lit-ry. Vol.3. [The designing of various industrial and auxiliary  
shops] Proektirovaniye raznykh proizvodstvennykh i vspomogatel'nykh  
tskhov, 1946. 307 p. (MIRA 9:9)

1. Moscow. Gosudarstvennyy institut po proyektirovaniyu mashino-  
stroitel'nykh zavodov.  
(Machinery--Design--Handbooks, manuals, etc.)

SOV/112-57-5-10863

Translation from: Referativnyy zhurnal. Elektrotehnika, 1957, Nr 5, p 183 (USSR)

AUTHOR: Ioannesyants (M. Ya.

TITLE: Automating Technological Processes in the Projects of the  
"Giproavtotraktoroprom" Institute, and in the Automobile, Tractor and Bearing  
Industries (Avtomatizatsiya tekhnologicheskikh protsessov v proyektakh  
instituta Gidroavtotraktoroprom i na predpriyatiyakh avtomobil'noy, traktornoy  
i podshipnikovoy promyshlennosti)

PERIODICAL: V sb.: Avtomatizatsiya tekhnol. protsessov v mashinostr. Obrabotka  
metallov rezaniyem i obshchiye vopr. avtomatizatsii. M., 1956, pp 45-59

ABSTRACT: Bibliographic entry.

Card 1/1



IOANNESYANTS, M.Ya.

New technology in the plans of automobile factories. Avt. i trakt.  
prom no. 10:1-4 0 '56. (MIRA 10:1)

1. Giprocavtoprom.  
(Automobile industry)

IOANNIDI, v. I.

Tobacco Industry

My work formerly and now. Tabak 14, No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress  
June 1953. UNCL.

PARADOKSOV, M.V., dotsent; IOANNIDIS, G.P., assistant

Treatment of malignant tumors of the maxilla. Med. zhur. Uzb. no.11:  
28-31 N '60. (MIRA 14:5)

1. Iz kafedry khirurgicheskoy stomatologii Tashkentskogo gosudar-  
stvennogo meditsinskogo instituta.  
(JAWS--CANCER)

IOANNIDIS, G.P., assistant

Clinical observations of the metastasizing of malignant tumors of the maxilla. Stomatologiya 39 no.6:49-52 N-D '60. (MIRA 15:1)

1. Iz kafedry khirurgicheskoy stomatologii (zav. - dotsent M.V. Paradoksov) stomatologicheskogo fakul'teta Tashkentskogo meditsinskogo instituta (dir. - dotsent A.G.Gulamov).  
(JAWS---CANCER)

IOANNIDIS, G.P.

Treatment of metastases in malignant maxillary tumors. Med. zhur.  
Uzb. no.9:53-54 S '61. (MIRA 15:2)

1. Iz kafedry khirurgicheskoy stomatologii (sav. - dotsent M.V.Paradoksov)  
Tashkentskogo gosudarstvennogo meditsinskogo instituta.  
(METASTASIS) (JAWS--CANCER)

IOANNIDIS, G.P., assistant

Operative treatment of ankylosis of the temporomandibular joint. Stomatologiya 42 no. 2:34-35 Mr-Apr '63. (MIRA 17:3)

1. Iz kafedry khirurgicheskoy stomatologii (zaveduyushchiy dotsent M.V.Paradoksov) Tashkentskogo meditsinskogo instituta.

IOANNISIAN, L., inzh.

Infrared rays dry lacquer coatings. Prom.Arm. 5 no.11:43  
N '62. (MIRA 15:12)

(Infrared drying apparatus)

IOANNISIAN, L., inzh.

The Leninakan Grinding Machinery Plant speeds up its production.  
Prom.Arm. 5 no.12:50-53 D '62. (MIRA 16:2)  
(Leninakan--Grinding machines)



IOANNIS IANI, G.G. (Polyarnyy)

A rare observation of entotic sound. Vest. oto-rin. 16 no.6:68-69  
N-D '54. (MLRA 8:1)

(OTITIS MEDIA, manifestations  
entotic sound)

(TIMNITUS  
entotic sound in otitis media)

10ANNISIANI, G.L.

Country : USSR

Category: Human and Animal Physiology. Nervous System.  
Higher Nervous Activity. Behavior.

T

Abs Jour: RZhBiol., No 19, 1958, 89229

Author : Gol'danskaya, M.I.; Zinkina, A.M.; Zinkin, N.V.;  
Ionisiani, G.L.; Kaplan, A. Ye.; Kryshova, N.A.

Inst : -

Title : The Thresholds of Sensitivity and Afterimages in the  
Tactile, Thermal, Gustatory and Optic Analyzers in  
Parkinsonians.

Orig Pub: Zh. vyssh. nervn. deyat-sti, 1957, 7, No 4, 225-234.

Abstract: The following was observed in 50 parkinsonian pa-  
tients with average duration of their illness of  
ten years: 1) elevation of the threshold in all  
the investigated analyzers and their instability;

Card : 1/3

T-102

2

Country : USSR

Category: Human and Animal Physiology. Nervous System.  
Higher Nervous Activity. Behavior.

T

Abs Jour: RZhBiol., No 19, 1958, 89229

2) paradoxical sensitivity in the gustatory  
analyzer; 3) the appearance (in the tactile and  
thermal) and prolongation (in the optic analyzer)  
of the latent period of the appearance of after-  
images (AI); 4) inconstancy of AI, and, frequently,  
prolongation of their duration; 5) more frequent  
appearance and greater quantity of secondary AI,  
than in normal; 6) apparent increase in the AI  
of the dimensions of the stimulated receptor zone;  
simultaneous manifestation of multiple and  
colored AI; changes in the form of optic AI.

Card : 2/3

IOANNISIAN, L., inzh.

Problems of the over-all development of forestry and utilization of  
forest resources in the Armenian S.S.R. Prom.Arm. 5 no.5:12-16 May  
'62. (MIRA 15:7)  
(Armenia—Forests and forestry—Economic aspects)

IOANNISIANI, T. G., Cand of Bio Sci -- (diss) "Entomofauna of Clover  
and its Effect on Seed Production in Conditions of Belorussia,"  
Minsk, 1959, 16 pp (Institute of Biology, Acad Sci Belorussian SSR)  
(KL 4-60, 116)

IOANNISIAN, I.

Strive for a perfect organization of furniture production.  
Prom.Arm. 7 no.1:24-27 Ja '64.

(MIRA 17:4)

1. Predsedatel' mebel'noy komissii Ekspertnogo soveta Armysanskogo  
filiala Vsesoyuznogo postoyannogo pavi'l'cna Gosudarstvennogo  
komiteta po trgovle pri Sovete narodnogo khozyaystva SSSR.

1. MEL'NIKOV, D.A., IOANNISYANI, B.K.,
2. USSR (600)
4. Spectrum, Ultraviolet
7. New telescope with apertureless spectrograph for the untraviolet region and results of testing it at high altitudes. Izv. Glav. astron. obs. 18 no. 6. 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Uncl.

IOANNISYANI, B. K.

USSR/Astronomy - Light, Polarized

Nov/Dec 53

"Electrophotometric Observations of Polarization of Star Light," V. A. Dombrovskiy,  
Leningrad State Univ

Astron Zhur, Vol 30, No 6, pp 603-615

Author devised a photoelectric polarimeter combining a stellar photometer of the type of V. B. Nikonov (Kurs astrofiziki i zvezdnoy astronomii (Manual of Astrophysics and Stellar Astronomy) 1951) and an analyzer of light. The instrument was assembled by B. K. Ioannisiyani in the Scientific Res Phys Inst of Leningrad Univ. Observations by this polarimeter are tabulated and plotted in graphs. Rec 20 Jul 53.

IOANNIDIAN, B. I. (director of the telescope) and KAKULASHVILI, T. S. (Academy of Sciences Georgian SSR)

"The Abastuman 700-mm Meniscus Telescope," a report presented at the Conference Of Commission on Astronomical Instruments Construction of the Astronomical Council, AS USSR, 10-12 Feb 56.

Sum. No. 1047, 31 Aug 56



IOANNISIANI, B.K.

G.A. Shain reflecting telescope with a 2,6 m diameter mirror.  
Opt.-mekh.prom. 25 no.4:25-30 Ap '58. (MIRA 11:10)  
(Telescope, Reflecting)

ACCESSION NR: AT3008535

8/2984/63/000/000/0008/0013

AUTHOR: Ioannisianni, B. K.

TITLE: The academician G. A. Shajn reflector with 2.6 meter mirror

SOURCE: Novaya tekhnika v astronomii; materialy\* soveshch. Komissii priborostroyen. pri Astronom. soвете AN SSSR, Moskva, 18-20 apr. 1961 g. Moscow, Izd-vo AN SSSR, 1963, 8-13

TOPIC TAGS: reflector telescope, "light gathering power, parabolic mirror

ABSTRACT: This reflector is the result of modern needs to build telescopic systems with greater light-gathering ability. It was built at the GOMZ factory in 1954 for the Kry\*mskaya astrofizicheskaya observatoriya (Crimean Astrophysical Observatory). The complex problems of building such reflectors are clear, a number of definite requirements facing the designer. The principal mirror of the reflector must be parabolic with the proper diameter (2.6 m) and the aperture ratio must be 1 : 4. Three corrective lenses are needed in addition to the mirror system in order to increase the working field and to give variation in aperture ratio. The author discusses the optical system, the mounting, the telescope tube, the control system, the focusing adjustment, and the temperature conditions of the reflector.

ASSOCIATION: none

Card 1/1

IOANNISIANI, T.G.; BIRG, A.V.; LAVROVA, N.K.

Studying the ecologic characteristics of the weevils *Phytonomus moles*  
F. and *Phytonomus nigrirostris* F. Vop. skol. 7:70-71 '62.

(MIRA 16:5)

1. Akademiya nauk Belorusskoy SSR, Minsk.

(White Russia--Weevils)

(White Russia--Clover--Diseases and pests)

IOANNISIANI, T.G. [Ioannisiani, T.H.]; BIRG, A.V. [Birh, A.V.];  
LAVROVA, N.K. [Lavrova, N.K.]

Materials on the species and ecology of weevils (Coleoptera, .  
Curculionidae) in White Russia. Vesti AN BSSR. Ser. bial. nav.  
no.4:113-122 '63. (MIRA 17:8)

IOANNISIANI, T.G.

Population dynamics of the beetles *Phytometus ruber* F. and  
*Phytometus nigrirostri* F. on clover. Zool. zhur. 42 no. 128  
1810-1816 '63 (MIRA 1967)

1. Department of Zoology and Parasitology, Academy of Sciences  
of the White Russian S.S.R., Minsk.

IOANNISYAN, A.G.

Name: IOANNISYAN, Ashot Gareginovich

Dissertation: Essays on the History of Armenian  
Emancipatory Ideas

Degree: Doc Historical Sci

Affiliation: [not indicated]

Defense Date, Place: 17 Nov 55, Council of Inst of History,  
Acad Sci Armenian SSR

Certification Date: 30 Jun 56

Source: BMVO 5/57

IOANNISYAN, A.I., professor, doktor tekhnicheskikh nauk; BUTURLOV, V.V.;  
VERTSMAN, O.Z., kandidat tekhnicheskikh nauk; PETROV, V.I., kandidat  
tekhnicheskikh nauk.

[Railroad planning and construction; part 1; railroad planning]  
Proektirovanie i postroika shelesnykh dorog. Chast' 1. Proektirova-  
nie shelesnykh dorog. Moskva, Gos. transp. shel-dor. izd-vo, 1953-  
v.1. p.[483]. (MLBA 6:12)  
(Railroad engineering)

IOANNISYAN, A. I.

GIBSHMAN, Aleksandr Yevgen'yevich; IOANNISYAN, Ashot Tsayevich; KONDRAT-  
CHENKO, Anatoliy Petrovich; YAKOVLEV, Boris Vonifat'yevich;  
BELEN'KIY, N.P., kandidat tekhnicheskikh nauk, redaktor; VLASOV,  
D.I., kandidat tekhnicheskikh nauk, redaktor; KHITROV, P.A.,  
tekhnicheskii redaktor.

[Principles of planning railroads] Osnovy proektirovaniia shelesnykh  
dorog. Moskva, Gos. transp. shel-dor. izd-vo, 1954. 459 p.  
(Railroad engineering) (MLRA 8:2)



IOANNISYAN, Ashot Isayevich, prof., doktor tekhn. nauk; VERTSMAN, G.Z.,  
kand. tekhn. nauk; PWTROV, V.I., kand. tekhn. nauk; BELEN'KIY, N.P.,  
kand. tekhn. nauk; KHITROV, P.A., tekhn. red.

[Engineering research and construction of railroads] Izyskania i  
postroiika zhelesnykh dorog. Izd.2., perer. Moskva, Gos. transp.  
zhelezn. dor. izd-vo. Pt.1. [Engineering research and planning]  
Izyskania i proektirovanie. 1958. 466 p. (MIRA 11:10)  
(Railroads--Construction)

IOANNISYAN, A.I., prof.; GORINOV, A.V., prof.; AKIMOV, V.I., kand.tekhn.  
nauk; KANTOR, I.I., kand.tekhn.nauk; KONDRATCHENKO, A.P., kand.  
tekhn.nauk; SAVCHENKO, I.Ye., kand.tekhn.nauk; TURBIN, I.V., kand.  
tekhn.nauk; VLASOV, D.I., inzh., red.; KHITROV, P.A., tekhn.red.

[Problems in the planning of railroads with electric and diesel  
traction] Voprosy proektirovaniia zheleznykh dorog s elektri-  
cheskoi i teplovoznoi tiagoi. Moskva, Gos.transp.zhel-dor.isd-vo,  
1959. 255 p. (MIRA 13:3)

1. Chlen-korrespondent AN SSSR (for Gorinov).  
(Railroad engineering)

IOANNISYAN, A.I., prof.

Foreword, Trudy MIIT no.119:3-4 '59.

(MIRA 12:11)

1. Zamestitel' nachal'nika po nauchnoy rabote Moskovskogo instituta  
inshenerov zheleznodorozhnogo transporta.  
(Railroads--Finance)

GIBSHMAN, Aleksandr Yevgen'yevich, prof.; IOANNISYAN, Ashot Isaayevich, prof.; KONDRATCHENKO, Anatoliy Petrovich, dots.; YAKOVLEV, Boris Vonifat'yevich, dots.; ORLOV, V.N., prof., doktor tekhn. nauk, retsenzent; KARASIK, V.Ya., kand. tekhn. nauk, dots., retsenzent; BOCHKAREV, N.G., ekonomist, retsenzent; PETROV, M.A., inzh., red.; MAKUNI, Ye.V., tekhn. red.

[Fundamentals of the planning and design of railroads] Osnovy proektirovaniia zheleznnykh dorog [By] A.E. Gibshman i dr. Pod red. A.I. Ioannisiana. Izd. 2., perer. Moskva, Transzheldorizdat, 1962. 347 p. (MIRA 16:1)

(Railroad engineering)